

Chan Wing Yu, Jenson

Professional Summary

Dedicated Computer Science student with strong programming foundations and systems knowledge. Experienced in full-stack development, AI integration, and open-source contributions. Proficient across multiple operating systems and passionate about creating innovative solutions with modern technologies.

Education

- 2022–2026 **Bachelor of Engineering in Computer Science**, *The Hong Kong University of Science and Technology*, Hong Kong
Focus: Software Development and Computer Systems
- 2016–2022 **Hong Kong Diploma of Secondary Education**, *Raimondi College*, Hong Kong
Achieved 5* in ICT, 5 in Physics

Professional Experience

- Jun–Aug 2025 **Cyber Security Analyst (AI Developer)**, *Hoplite Technology Limited*, Hong Kong
Summer Internship <https://www.hoplite-tech.com/>
- ▷ Developed AI-powered applications including Reddit scraper (Go), meal planner (Next.js), and OTP authentication system
 - ▷ Implemented custom Langflow AI workflows and Microsoft AutoGen agent orchestration
 - ▷ Built data visualization tools for MongoDB analytics and menu processing systems
 - ▷ Gained hands-on experience with cloud deployment (AWS, Docker, Kubernetes) and AI integration
- Jun–Aug 2024 **Junior Programmer**, *Radiance Tech International*, Hong Kong
Summer Internship <https://radiance.com.hk/>
- ▷ Developed full-stack solutions for company website and standalone forum application
 - ▷ Built backend APIs using Golang with MySQL database integration
 - ▷ Implemented frontend features using Vue.js with RESTful API consumption

Key Projects

Paopao-ce Forum Platform, *Go, Gin, Vue.js, MySQL*, Open Source

<https://github.com/waydxd/paopao-ce>

- ▷ Forked and enhanced open-source web forum, resolving critical dependency and runtime issues
- ▷ Integrated MySQL/MariaDB databases with new feature development and session management
- ▷ Implemented advanced community features including moderation tools and NSFW content filtering
- ▷ Designed responsive UI/UX using Vue 3 and Naive UI component library

Manganese Search Engine, *Kotlin, Ktor, Vue.js, MapDB*, Academic Project

<https://github.com/waydxd/manganese>

- ▷ Developed full-stack search engine with advanced term and link-based scoring algorithms
- ▷ Built asynchronous web crawler with optimized inverted index and intelligent caching system
- ▷ Created responsive SPA frontend featuring query history and real-time autocomplete
- ▷ Led integration of frontend design with backend crawler and search optimization

Exam Management System, Java, JOOQ, JavaFX, SQLite, Team Project

<https://github.com/waydxd/COMP3111-Project>

- ▷ Designed comprehensive exam management platform with multi-role portal system
- ▷ Implemented robust database operations using JOOQ ORM with SQLite backend
- ▷ Developed intuitive JavaFX GUI supporting student, teacher, and administrator workflows
- ▷ Achieved high test coverage using JUnit and Mockito with automated Maven builds

Technical Skills

Programming Languages	C/C++, Python, Java, Kotlin, Golang, TypeScript/JavaScript
Web Technologies	HTML5, CSS3, Node.js, Vue.js, Next.js, RESTful APIs, Laravel
Databases & Tools	MySQL, SQLite, MongoDB, JOOQ, MapDB
Machine Learning	PyTorch, TensorFlow, Keras, NumPy, Pandas, Matplotlib
DevOps & Cloud	Docker, Kubernetes, AWS, Git, Maven, Apache
Operating Systems	GNU/Linux, macOS, Windows